

**GRAFT POLYMERS BASED ON ETHYLENE/ $\alpha$ -OLEFIN RUBBERS AND  
PROCESS FOR THEIR PRODUCTION**

**ABSTRACT OF THE DISCLOSURE**

A thermoplastic molding composition comprising a graft polymer is disclosed. The graft polymer contains:

- a) a continuous phase containing the polymerized product of at least one vinylaromatic monomer and at least one ethylenically unsaturated nitrile monomer, and
- b) a disperse phase containing ethylene/ $\alpha$ -olefin rubber that is grafted with the polymerization product of at least one vinylaromatic monomer and at least one ethylenically unsaturated nitrile monomer.

The weight average molecular weight of the continuous phase is 130,000 to 275,000 g/mole and the disperse phase is characterized in that its weight average particle size is less than 0.90  $\mu\text{m}$ . The molding composition is characterized in improved resistance to weathering.